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Rabbit Anti HIV-I Tat Biotin Conjugated

ANT0003
200µl

Description

Tat is a regulatory protein of HIV-1 virus, well conserved among different isolates. Tat is produced early after infection and it's essential for virus replication and infectivity. Tat protein is also immunogenic and antibodies (Ab) against tat have been found to correlate with delayed disease progression and may exert protective effects by inhibiting both HIV-1 replication and the effects of extracellular tat. Moreover, tat is efficiently taken up by monocyte-derived dendritic cells, promotes their maturation and antigen presenting since it enters the major histocompatibility complex class I pathway.
Finally, murine vaccination with a biologically active tat protein has been shown to be safe, immunogenic and elicits anti-tat neutralizing Ab and CTL.

Product type

Secondary polyclonal antibody

Immunogen

Purified recombinant protein HIV-I tat expressed in *E. coli*

Source

Rabbit

Reacts with

HIV-I tat protein in sera or plasma and in cell culture supernatant

Specificity

The antibody detects HIV-1 tat protein and GST tat fusion protein

Tested applications

WB, IF, ELISA

Recommended dilutions

Recommended starting dilutions can vary lot-to-lot.
Consult the product information label in the package for lot specific values.

Note: When using any primary antibody or fluorescence-labelled secondary antibody for the first time, titrate out the antibody to determine which dilution allows the strongest specific signal with the lowest background for your sample.

For untested applications or species please refer to the S.M.A.K. program.

Purity

Purified by protein A affinity chromatography and conjugated by NHS-biotin.

Form

Liquid. Supplied in PBS and 0.05% v/v glycerol. Neutral pH.

Storage

Shipped at +4°C. When stored at +4°C, the antibody is stable for 12 months. For extended storage, the solution may be frozen at –20°C in working aliquots.
Note: Avoid repeated freezing and thawing cycles.

References

Available on library section: **http://www.diatheva.com/library.htm**.